

Attorney Docket No. 1419.1058

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Kazuhisa TERASAKI et al.

Application No.: Unassigned

Group Art Unit: Unassigned

Filed: December 31, 2001

Examiner:

For: KEYBOARD TYPE INPUT DEVICE AND PORTABLE INFORMATION PROCESSOR

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
 Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure provisions of 37 CFR § 1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the subject application.

1. Enclosures accompanying this Information Disclosure Statement are:

- 1a. ☒ Form PTO-1449.
- 1b. ☒ Copies of IDS citations.
- 1c. ☒ An English language copy of search report(s) from a counterpart foreign application or a PCT International Search Report.
- 1d. ☐ English language translation (complete or relevant portion(s)) attached to each non-English language publication.
- 1e. ☐ Explanations of Relevancy of References (ATTACHMENT 1(e), hereto) for providing a concise explanation of each non-English publication.

2. ☒ In accordance with 37 CFR § 1.98, a concise explanation of what is presently understood to be the relevance of each non-English language publication is

(Check appropriate Items 2a, 2b, 2c and/or 2d)

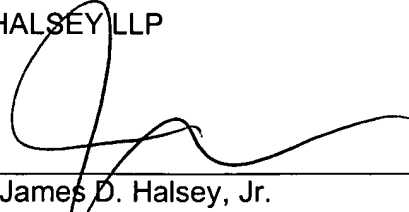
- 2a. ☒ satisfied because all non-English language publications were cited on the enclosed "English-language version of the search report or action which indicates the degree of relevance found by the foreign office". (See MPEP 609, Minimum Requirements for an Information Disclosure Statement, Part A(3): Concise Explanation of Relevance, pp. 600-100 to 600-101, Rev. 1, Feb. 2000.)
- 2b. ☐ set forth in the application.

- 2c. ☐ satisfied because an English language translation (complete or relevant portion(s)) is attached to each non-English language publication.
- 2d. ☐ enclosed as Attachment 1(e), hereto.
3. No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than search report(s) from a counterpart foreign application or a PCT International Search Report, if submitted herewith). 37 CFR §§ 1.97(g) and (h).

Respectfully submitted,

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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.

1419.1058

APPLICATION NO.

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

FIRST NAMED INVENTOR

Kazuhisa TERASAKI et al.

FILING DATE

December 31, 2001

GROUP ART UNIT

Unassigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
KC	AA	5,053,585	10/01/1991	Yaniger	-	-	
	AB						
	AC						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO	
KC	AG	9-244815	09/19/1997	Japan	-	-		
KC	AH	10-233142	09/02/1998	Japan	-	-		
KC	AI	62-52622	03/07/1987	Japan	-	-		
KC	AJ	6-502507	03/17/1994	Japan	-	-		
	AK							
	AL							

OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AM	
	AN	
	AO	

EXAMINER

Kent C Long

DATE CONSIDERED

2/22/01

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DERWENT-ACC-NO: 1997-517696

DERWENT-WEEK: 199748

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TITLE: Composite information terminal
equipment with portable
telephone, electronic notebook,
remote control functions
- has switch that carries out
function operation
corresponding to closing operation
of lid

PATENT-ASSIGNEE: SONY CORP[SONY]

PRIORITY-DATA: 1996JP-0055011 (March 12, 1996)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE	MAIN-IPC
JP 09244815 A		September 19, 1997	N/A
006	G06F	003/033	

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-DESCRIPTOR	APPL-NO
JP 09244815A		N/A	
1996JP-0055011		March 12, 1996	

INT-CL (IPC): G06F003/023, G06F003/033 , G06F015/02 ,
H03M011/04

ABSTRACTED-PUB-NO: JP 09244815A

BASIC-ABSTRACT:

The equipment includes a casing (2) on which a pressure sense type display combination tablet (3) is arranged. A key button group (13) is arranged on a lid (4) which is rotatably attached to the casing, mechanically.

When the closing operation of lid is detected by a switch
(7) equipment
operates as portable telephone set/remote control else as
electronic notebook.

ADVANTAGE - Raises operativity of equipment.

CHOSEN-DRAWING: Dwg.1/5

DERWENT-CLASS: T01 T04 U21 W01

EPI-CODES: T01-J01; T01-L02B; T01-M06A1; T04-F02A5;
U21-A05D; W01-C01A2;
W01-C01A3; W01-C01A6; W01-C01D;

DERWENT-ACC-NO: 1998-276699

DERWENT-WEEK: 200264

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TITLE: Touch panel input device for
portable microcomputer,
sheet with projectors cash dispenser in bank - has input
virtual keys provided on corresponding to position of
which, during input display panel, pressure received by
pressure transmission film operation is transmitted to

PATENT-ASSIGNEE: TOSHIBA KK[TOKE]

PRIORITY-DATA: 1996JP-0242394 (September 12, 1996)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE	MAIN-IPC
JP 3320617 B2		September 3, 2002	N/A
010	G06F	003/02	
JP 10091305 A		April 10, 1998	N/A
010	G06F	003/02	

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-DESCRIPTOR	APPL-NO
JP 3320617B2		N/A	
1996JP-0242394		September 12, 1996	
JP 3320617B2		Previous Publ.	JP 10091305
N/A			
JP 10091305A		N/A	
1996JP-0242394		September 12, 1996	

INT-CL (IPC): G06F003/02, G06F003/023 , H03M011/04

ABSTRACTED-PUB-NO: JP 10091305A

BASIC-ABSTRACT:

The device has a display panel (10) provided with virtual keys for inputting data. A pressure transmission film (15) is provided on the display panel. A flexible and transparent input sheet (20) with projections (22) corresponding to the position of virtual keys is formed.

The projection receives the pressure applied during input operation. A projection member (24) transmits the pressure received by the projection to the pressure transmission film.

ADVANTAGE - Realizes high work efficiency. Reduces incorrect input.

CHOSEN-DRAWING: Dwg.1/9

DERWENT-CLASS: T01 T05 U21

EPI-CODES: T01-C02B1D; T01-M06A1; T05-L03C1; U21-A05D;

DERWENT-ACC-NO: 1999-237234

DERWENT-WEEK: 199920

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TITLE: Coordinate detector of voltage
detection system for PC,
word processors - synthesizes
coordinate value stored
beforehand in holding circuit and
performs conversion of
input value to output coordinate
value

PATENT-ASSIGNEE: FUJITSU TAKAMIZAWA COMPONENT KK[FUJIN]

PRIORITY-DATA: 1997JP-0223871 (August 20, 1997)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE	
LANGUAGE		MAIN-IPC	
JP 11065751 A		March 9, 1999	N/A
008	G06F	003/03	

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
JP 11065751A	N/A	
1997JP-0223871	August 20, 1997	

INT-CL (IPC): G06F003/03

ABSTRACTED-PUB-NO: JP 11065751A

BASIC-ABSTRACT:

NOVELTY - The input coordinate value from a detecting unit (1) is converted to an output value by a converter circuit (41) by synthesizing a coordinate value stored beforehand by a holding circuit (42).

USE - For personal computer, word processor.

ADVANTAGE - Influence of any abnormal coordinate value is suppressed to minimum extent. Stabilization of output coordinate value is enabled. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of coordinate detector. (1) Detecting unit; (41) Converting circuit; (42) Holding circuit.

CHOSEN-DRAWING: Dwg.1/7

DERWENT-CLASS: T01

EPI-CODES: T01-C02B; T01-L01;